



## Department of Energy

Washington, DC 20585

QA: QA

OCT 21 2002

K. G. Hess  
President and General Manager  
Bechtel SAIC Company, LLC  
1180 Town Center Drive, M/S 423  
Las Vegas, NV 89144

U.S. DEPARTMENT OF ENERGY OFFICE OF CIVILIAN RADIOACTIVE WASTE  
MANAGEMENT OFFICE OF QUALITY ASSURANCE (OQA) ISSUANCE OF  
SURVEILLANCE REPORT OQA-02-S-24 OF BECHTEL SAIC COMPANY, LLC (BSC)

Enclosed is the Surveillance Report, OQA-02-S-24, conducted by representatives of OQA at BSC's facilities in Las Vegas, Nevada, from September 10 to October 10, 2002:

The surveillance was performed to assess the implementation of Administrative Procedure (AP) 3.12Q, Revision 0, ICN 4, *Calculations* of BSC's License Project. The surveillance team reviewed five technical documents containing calculations developed in accordance with AP-3.12Q. Based on the review, it was determined there were two conditions adverse to quality (CAQ). Deficiency Report BSC(O)-03-D-013 and Quality Observation BSC(O)-03-O-008 will be issued in accordance with AP-16.1Q, Revision 5, *Management of Conditions Adverse to Quality*.

This surveillance is considered complete and closed as of the date of this letter. A response to this surveillance report and any documented recommendations is not required; however, the two CAQs will continue to be tracked until they are closed to the satisfaction of the Quality Assurance Representative and the Director of OQA.

If you have any questions, please contact either James Blaylock at (702) 794-1420 or Christian M. Palay at (702) 794-1486.

*James Blaylock*  
R. Dennis Brown, Director  
Office of Quality Assurance

OQA:JB-0111

Enclosure:  
Surveillance Report OQA-02-S-24



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WM-11*

OCT 21 2002

cc w/encl:

Margaret Chu, DOE/HQ (RW-1), FORS  
B. V. Hamilton-Ray, DOE/CMD (RW-55), Las Vegas, NV  
N. K. Stablein, NRC, Rockville, MD  
Robert Latta, NRC, Las Vegas, NV  
S. J. Cereghino, BSC, Las Vegas, NV  
D. T. Krisha, BSC, Las Vegas, NV  
D. C. Richardson, BSC, Las Vegas, NV  
R. P. Hasson, NQS, Las Vegas, NV  
P. V. Auer, NQS, Las Vegas, NV  
C. M. Palay, NQS, Las Vegas, NV  
File, NQS, Las Vegas, NV  
J. R. Dyer, DOE/YMSCO, Las Vegas, NV  
D. G. Horton, DOE/YMSCO, Las Vegas, NV  
Stephan Brocoum, DOE/YMSCO, Las Vegas, NV  
S. P. Mellington, DOE/YMSCO, Las Vegas, NV  
M. E. Van Der Puy, DOE/YMSCO, Las Vegas, NV  
V. W. Trebules, DOE/YMSCO, Las Vegas, NV  
J. D. Ziegler, DOE/YMSCO, Las Vegas, NV

OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT  
QUALITY ASSURANCE SURVEILLANCE REPORT

QA: QA

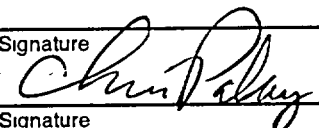
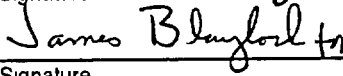
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QA Surveillance Number  
OQA-02-S-24

Complete only applicable items

1 Organization/Location Bechtel SAIC Company, LLC (BSC) Las Vegas, Nevada	2. Subject BSC's License Project Calculations	3. Date(s) Performed September 10 to October 10, 2002
4 Surveillance Scope  Assess implementation of AP-3.12Q, Revision 0, ICN 4, <i>Calculations</i> by the BSC License Project Preclosure Safety Analysis Department.		
5 Requirement(s) (Procedure, Specification, Drawings, etc )  AP-3 12Q, Revision 0, ICN 4.		6 Originator  Christian M. Palay  Team Member: James V. Voigt

SURVEILLANCE RESULTS

7 Description/Details  The surveillance team obtained a sample of nine technical documents from the Preclosure Safety Analysis (PSA) Department Manager, within the BSC Licensing Project, that have been produced within the last calendar year. Five of those nine technical documents are calculations developed in accordance with AP-3.12Q. During this surveillance, the team from the Office of Quality Assurance (OQA) reviewed the five calculations listed as follows:  (Continued on page 2)		
8 Persons (and their organizations) Contacted  S. J. Cereghino, License Application Department, BSC D. C. Richardson, Preclosure Safety Analysis, BSC J. A. Ziegler, Preclosure Safety Analysis, BSC	9 CAQ/NCR/TE Issued <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Recommendation Issued <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	CAQ/NCR/TE Number(s)  BSC(O)-03-D-013 BSC(O)-03-O-008  CIRS Number(s) _____
10 Surveillance Conclusions <input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT  The surveillance team has concluded that the implementation of AP-3.12Q by the PSA Department is satisfactory. There are no recommendations as a result of this surveillance; however, two conditions adverse to quality were identified as follows:  (Continued on page 2)		
11 Completed By (Originator) (Print Name) Christian M. Palay	Signature 	Date 10/18/02
12 Reviewed By (Appropriate QA Manager) (Print Name) R. Dennis Brown	Signature 	Date 10/21/02
13 Approved By (QVM) (Print Name) R. Dennis Brown	Signature _____	Date _____

OFFICE OF CIVILIAN RADIOACTIVE WASTE MANAGEMENT  
QUALITY ASSURANCE SURVEILLANCE REPORT

*Complete only applicable items*

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7. Description/Details: (Continued)

1. CAL-WPS-SE-000005, Revision 0, *Plutonium/High-Level Vitrified Waste BDBE Dose Calculation*
2. CAL-CTS-SE-000001, Revision 0 *Canister Transfer System Event Sequence Calculation*
3. CAL-WPS-SE-000007, Revision 0, *Disposable Canister Waste Acceptance Criteria*
4. CAL-WHS-SE-000002, Revision 0, *Significant Radionuclides Determination*
5. CAL-WPS-SE-000006, Revision 0, *DOE SNF BDBE Dose Calculations*

The OQA surveillance team reviewed the documents and their corresponding record packages for compliance with AP-3.12Q.

10. Surveillance Conclusions: (Continued)

Deficiency Report BSC(O)-03-D-013

CAL-WPS-SE-000005 and CAL-CTS-SE-000001 do not identify whether any control of the electronic management of data was accomplished in accordance with method(s) specified in the TWP, or describe any variance from the planned method(s).

Quality Observation BSC(O)-03-O-008

In addition, two of the calculations Document Input Reference System reviewed recorded an incorrect input status; "N/A Accepted Data (Fact)" is used when the entry should be "N/A Accepted Data (AMOP Approved)."